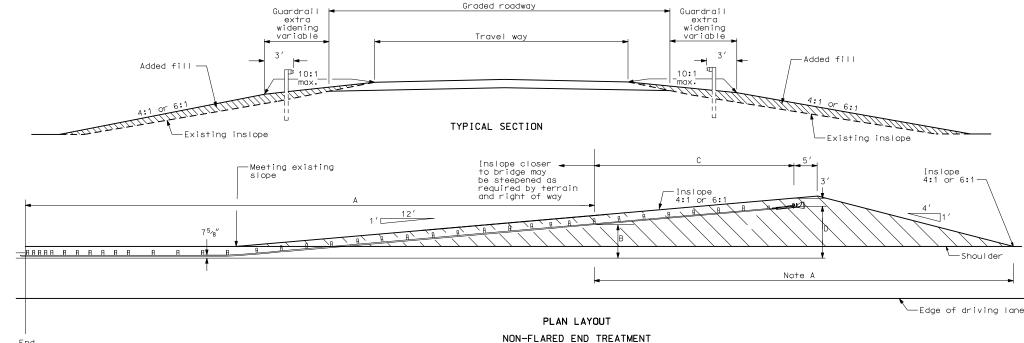
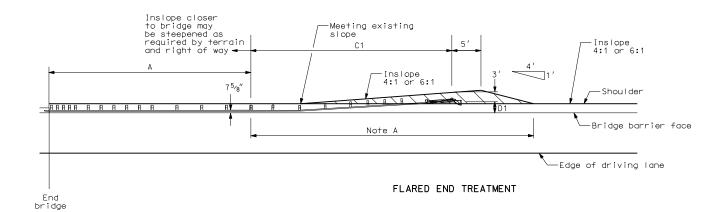


TYPICAL GRADING AT BRIDGE ENDS

WITH FLARED W-BEAM GUARDRAIL 55 MPH DESIGN SPEED







GUARDRAIL HEIGHT

Note A: This area may have to be placed at flatter than 10:1 to provide the proper guardrail height.

NORTH DAKOTA	
DEPARTME	NT OF TRANSPORTATION
09-01-98	
REVISIONS	
DATE	CHANGE
10-29-98 12-21-00	Offset dimensions Revise flared end treatment
04-02-02 12-13-02 12-17-03	Revised table Revised flared rate
12-01-04	detail PE Stamp added

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation